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## Martin A. Hay & Co.

13 Queen Victoria Street  
Macclesfield  
Cheshire SK11 6LP  
UNITED KINGDOM

Tel: (+44) 1625 500057  
Fax: (+44) 1625 500058

E-mail: martinahay@martin-a-hay.com

### FACSIMILE TRANSMITTAL SHEET

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Date: 5th February 2004 Total Number of Pages: 5  
(including cover page)

To: Commissioner for Patents, USPTO

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FAX Number: (44) 1625 500058

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PATENT APPLICATION  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : LIEBESCHUETZ, John Walter et al  
Serial No. : 10/030,186  
Filed : 04 February 2002  
Art Unit : 1624  
Examiner : LIU, Hong  
For : Serine Protease Inhibitors  
Docket No. : 00218/US  
Customer No : 024330  
Confirm. No. : 8449

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
UNITED STATES

Sir:

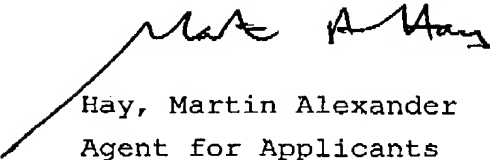
**COMMUNICATION**

Please find attached a document that was intended to accompany our response to the last Office Action.

Serial No. 10/030,186

Supplement to Response to Office communication of October 29, 2003

Respectfully submitted,

  
Hay, Martin Alexander

Agent for Applicants

Registration No. 39,459

Phone: 011 44 1625 500057

e-mail: martinahay@martin-a-hay.com

Martin A. Hay & Co.,  
13 Queen Victoria Street  
Macclesfield  
Cheshire  
SK11 6LP  
UNITED KINGDOM

February 4, 2004

International Union of Pure and Applied Chemistry  
Organic Chemistry Division  
Commission on Nomenclature of Organic Chemistry (III.1)

A Guide to  
**IUPAC Nomenclature  
of Organic Compounds**  
**Recommendations 1993**

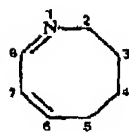
(including revisions, published and hitherto unpublished, to the  
1979 edition of *Nomenclature of Organic Chemistry*)

Prepared for publication by  
R. PANICO, W. H. POWELL and  
JEAN-CLAUDE RICHER (Senior Editor)

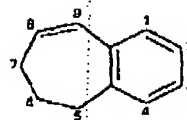
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## CHARACTERISTIC (FUNCTIONAL) GROUPS

R-3.1



2,3,4,5-Tetrahydroazocine

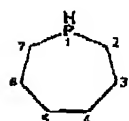
6,7-Dihydro-5H-benzo[7]annulene<sup>41</sup>

R-3.1.3

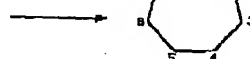
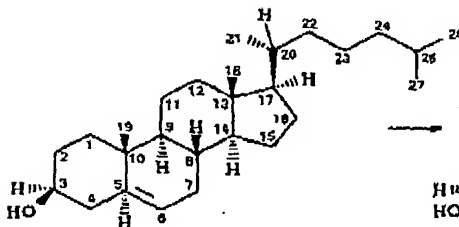
## Dehydro prefixes

The presence of a double bond not implied in the parent hydride name can be indicated by a 'didehydro-' prefix signifying the removal of a pair of hydrogen atoms.

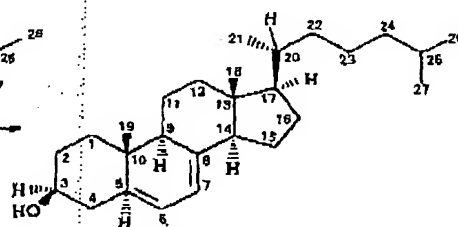
Examples:



Phosphhepane

1,2-Didehydroposphhepane<sup>42</sup>

Cholesterol

7,8-Didehydrocholesterol<sup>43</sup>

Similarly, the conversion of a double into a triple bond can be indicated by 'didehydro-'.

Example:

1,2-Didehydrobenzene  
(formerly called 'Benzynes')

(see also 7,8-Didehydro-*s,z*-carotene under R-1.2.5.1).

<sup>41</sup> The traditional names obtained on the basis of Rules A-21.4 and A-23.5 of IUPAC *Nomenclature of Organic Chemistry*, '6,7-Dihydro-5H-benzocycloheptene' and 'Benzocyclohepta-1,3-diene', could lead to ambiguity. They are no longer encouraged. For an explanation of the use of 'annulene' as the base component in these names, see section R-2.4.1.1.

<sup>42</sup> However, the name '4,5,6,7-tetrahydro-3H-phosphhepane' has been used traditionally and is still to be preferred in these recommendations.

<sup>43</sup> However, the name 'cholesta-5,7-dien-3 $\beta$ -ol', is preferred in IUPAC-IUBMB steroid nomenclature.